CONTENTS OF VOLUME 61, 1988

JULY

EDITORIAL: Anaesthesia and myocardial ischaema. 1
G. Smith

SYMPOSIUM ON ANAESTHESIA AND MYOCARDIAL ISCHAEMIA

Aetiology of ischaemic heart disease 3
D. A. Wood

Myocardial ischaemia: progress in drug therapy 11
D. B. Barnett

Perioperative myocardial infarction 24
R. Haagensen and P. A. Steen

Assessment of the patient with known or suspected ischaemic heart disease for non-cardiac surgery .. 38
L. Goldman

Experimental models of myocardial ischaemia 44
P. Foëx

Anaesthesia and ischaemic heart disease: laboratory results 56
D. Kettler and A. Hoeft

Myocardial ischaemia associated with general anaesthesia. *A Review of Clinical Studies* 68
S. Reiz

Anaesthetic considerations for the patient with coronary artery disease 85
C. Prys-Roberts

Anaesthesia for coronary artery bypass graft 97
J. B. Streisand and K. C. Wong

ABSTRACTS

Proceedings of the Anaesthetic Research Society, Liverpool Meeting, March 25–26, 1988 ..... 105P

CORRESPONDENCE

Blocked ear after extradural injection—a clarification 119
Routine use of atropine in obstetric anaesthesia 119
Hepatotoxicity after general anaesthesia 120
Potential problems of using both opioids and local anaesthetic 121
Single breath induction of anaesthesia with isoflurane 121
Use of the post-tetanic train-of-four for evaluation of intense neuromuscular blockade with atracurium. 123
Halothane 123

BOOK REVIEWS

Problems and Advances in Respiratory Therapy. International Anesthesiology Clinics 125
Radiology for Anesthesia and Critical Care 125
Closed-Circuit System and Other Innovations in Anaesthesia 125
The I.C.U.—A Cost Benefit Analysis 126
Geriatric Anaesthesia. Principles and Practice 126
Anaphylactic Reactions in Anesthesia and Intensive Care 126

AUGUST

EDITORIAL: Test doses in extradural block 129
D. B. Scott

ORIGINAL ARTICLES

Influence of premedication on lignocaine-induced toxicity and plasma concentrations of lignocaine . 131
J. Haasio, R. Hekali and P. H. Rosenberg

Effect of dextrose concentration on the intrathecal spread of amethocaine 135
A. Lee, D. Ray, D. G. Littlewood and J. A. W. Wildsmith

Effects of posture and baricity on spinal anaesthesia with 0.5% bupivacaine 5 ml. *A Double-Blind Study* 139
R. W. D. Mitchell, G. M. R. Bowler, D. B. Scott and H. H. Edström

Spinal anaesthesia with hyperbaric bupivacaine: effects of concentration and volume when administered in the sitting position 144
R. P. Alston, D. G. Littlewood, R. Meek and H. H. Edström

Extradural bupivacaine or lignocaine anaesthesia for elective Caesarean section: the role of maternal posture 149
J. A. Reid and J. Thorburn

Buffering capacity of normal and inflamed tissues following the injection of local anaesthetic solutions 154
A. Punnia-Moorthy

Effect of patient-controlled analgesia on plasma catecholamine, cortisol and glucose concentrations after cholecystectomy 160
I. W. Møller, K. Dinesen, S. Søndergård, U. Knigge and H. Kehlet

No effect of continuous i.p. infusion of bupivacaine on postoperative analgesia, pulmonary function and the stress response to surgery 165
N. B. Scott, T. Mogensen, A. Greulich, N. C. Hjortsø and H. Kehlet

Intercostal nerve blockade producing analgesia after appendicectomy 169
P. Bunting and J. F. McGeachie

CONTENTS OF VOLUME 61, 1988

JULY

EDITORIAL: Anaesthesia and myocardial ischaema. 1
G. Smith

SYMPOSIUM ON ANAESTHESIA AND MYOCARDIAL ISCHAEMIA

Aetiology of ischaemic heart disease 3
D. A. Wood

Myocardial ischaemia: progress in drug therapy 11
D. B. Barnett

Perioperative myocardial infarction 24
R. Haagensen and P. A. Steen

Assessment of the patient with known or suspected ischaemic heart disease for non-cardiac surgery .. 38
L. Goldman

Experimental models of myocardial ischaemia 44
P. Foëx

Anaesthesia and ischaemic heart disease: laboratory results 56
D. Kettler and A. Hoeft

Myocardial ischaemia associated with general anaesthesia. *A Review of Clinical Studies* 68
S. Reiz

Anaesthetic considerations for the patient with coronary artery disease 85
C. Prys-Roberts

Anaesthesia for coronary artery bypass graft 97
J. B. Streisand and K. C. Wong

ABSTRACTS

Proceedings of the Anaesthetic Research Society, Liverpool Meeting, March 25–26, 1988 ..... 105P

CORRESPONDENCE

Blocked ear after extradural injection—a clarification 119
Routine use of atropine in obstetric anaesthesia 119
Hepatotoxicity after general anaesthesia 120
Potential problems of using both opioids and local anaesthetic 121
Single breath induction of anaesthesia with isoflurane 121
Use of the post-tetanic train-of-four for evaluation of intense neuromuscular blockade with atracurium. 123
Halothane 123

BOOK REVIEWS

Problems and Advances in Respiratory Therapy. International Anesthesiology Clinics 125
Radiology for Anesthesia and Critical Care 125
Closed-Circuit System and Other Innovations in Anaesthesia 125
The I.C.U.—A Cost Benefit Analysis 126
Geriatric Anaesthesia. Principles and Practice 126
Anaphylactic Reactions in Anesthesia and Intensive Care 126

AUGUST

EDITORIAL: Test doses in extradural block 129
D. B. Scott

ORIGINAL ARTICLES

Influence of premedication on lignocaine-induced toxicity and plasma concentrations of lignocaine . 131
J. Haasio, R. Hekali and P. H. Rosenberg

Effect of dextrose concentration on the intrathecal spread of amethocaine 135
A. Lee, D. Ray, D. G. Littlewood and J. A. W. Wildsmith

Effects of posture and baricity on spinal anaesthesia with 0.5% bupivacaine 5 ml. *A Double-Blind Study* 139
R. W. D. Mitchell, G. M. R. Bowler, D. B. Scott and H. H. Edström

Spinal anaesthesia with hyperbaric bupivacaine: effects of concentration and volume when administered in the sitting position 144
R. P. Alston, D. G. Littlewood, R. Meek and H. H. Edström

Extradural bupivacaine or lignocaine anaesthesia for elective Caesarean section: the role of maternal posture 149
J. A. Reid and J. Thorburn

Buffering capacity of normal and inflamed tissues following the injection of local anaesthetic solutions 154
A. Punnia-Moorthy

Effect of patient-controlled analgesia on plasma catecholamine, cortisol and glucose concentrations after cholecystectomy 160
I. W. Møller, K. Dinesen, S. Søndergård, U. Knigge and H. Kehlet

No effect of continuous i.p. infusion of bupivacaine on postoperative analgesia, pulmonary function and the stress response to surgery 165
N. B. Scott, T. Mogensen, A. Greulich, N. C. Hjortsø and H. Kehlet

Intercostal nerve blockade producing analgesia after appendicectomy 169
P. Bunting and J. F. McGeachie

Pharmacodynamics of alfentanil as a supplement to nitrous oxide anaesthesia in the elderly patient ... 173
H. J. M. Lemmens, A. G. L. Burm, J. G. Bovill and P. J. Hennis

Comparison of large dose of vecuronium with pancuronium for prolonged neuromuscular blockade 180
K. Rørvik, P. Husby, L. Gramstad, J. S. Vamnes, L. Bitsch-Larsen and M. E. Koller

Central and regional haemodynamics during controlled hypotension produced by adenosine, sodium nitroprusside and nitroglycerine. *Studies in the Pig* ... 186
K. Norlén

Haemodynamic and heart rate reflex responses to propofol in the rabbit. *Comparison with Althesin* . 194
D. W. Blake, B. Jover and B. P. McGrath

Effects of inhalation anaesthetics on filtration of venous gas emboli by the pulmonary vasculature. 200
J. Katz, B. C. Leiman and B. D. Butler

Ketamine fails to protect against ischaemic neuronal necrosis in the rat ... 206
M. L. Jensen and R. N. Auer

Predicting difficult intubation ... 211
M. E. Wilson, D. Spiegelhalter, J. A. Robertson and P. Lesser

Learning fibreoptic intubation: use of simulators *v.* traditional teaching ... 217
A. Ovassapian, S. J. Yelich, M. H. M. Dykes and M. E. Golman

The morphine hydrogel suppository. *A New Sustained Release Rectal Preparation* ... 221
C. D. Hanning, A. P. Vickers, G. Smith, N. B. Graham and M. E. McNeil

RAPID COMMUNICATIONS

Absorption and bioavailability of nebulized morphine ... 228
J. Chrubasik, H. Wüst, G. Friedrich and E. Geller

Incidence of sinusitis in patients with nasotracheal intubation ... 231
M. Hansen, M. R. Poulsen, D. K. Bendixen and F. Hartmann-Andersen

CASE REPORT

Prolonged suxamethonium-induced neuromuscular blockade associated with organophosphate poisoning ... 233
F. Pérez Guillermo, C. M. Martinez Pretel, F. Tarín Royo, M. J. Peña Macías, R. Alvarez Ossorio, J. A. Alvarez Gómez and C. J. Vidal

CORRESPONDENCE

Components of anaesthesia ... 237
Suxamethonium myalgia ... 238
Assessment of the Datex Relaxograph in accessory nerve stimulation ... 238
Rapid sequence induction in pregnancy-associated hypertension—the role of magnesium ... 239
Long term use of the Vocalaid tracheostomy tube for tracheal toilet ... 240
Bradycardia following vecuronium ... 240
Transfer from recovery room to ward ... 241
Fresh gas flow requirements with the ADE anaesthetic system ... 241

BOOK REVIEWS

Current European Anaesthesiology ... 243
Aspects of Recovery from Anaesthesia ... 243
Databook of Anaesthesia and Critical Care Medicine. 243
Shock and the Adult Respiratory Distress Syndrome . 244
Postoperative Pain Control ... 244
Recovery Room Care ... 244
Clinical Anesthesia Procedures of the Massachusetts General Hospital ... 245

SEPTEMBER

EDITORIAL: Fetal well-being and maternal awareness ... 247
J. Selwyn Crawford

ORIGINAL ARTICLES

Maternal inspired oxygen concentration and neonatal status for Caesarean section under general anaesthesia. *Comparison of Effects of 33% or 50% Oxygen in Nitrous Oxide* ... 250
E. C. Lawes, B. Newman, M. J. Campbell, M. Irwin, S. Dolenska and T. A. Thomas

Maximum $F_{I_{O_2}}$ during Caesarean section ... 255
D. G. Bogod, M. Rosen and G. A. D. Rees

Complications related to anaesthesia in infants and children. *A Prospective Survey of 40240 Anaesthetics* ... 263
L. Tiret, Y. Nivoche, F. Hatton, J. M. Desmonts and G. Vourc'h

Measurement of evoked diaphragm twitch strength during anaesthesia. *Adaptation and Evaluation of an Existing Technique* ... 270
M. C. Derrington and N. Hindocha

Comparison of neuromuscular blockade in the diaphragm and the hand ... 279
M. C. Derrington and N. Hindocha

Potency of atracurium and vecuronium at the diaphragm and the adductor pollicis muscle ... 286
J. R. D. Laycock, F. Donati, C. E. Smith and D. R. Bevan

Effect of suxamethonium given during recovery from atracurium ... 292
R. P. F. Scott and J. Norman

Pharmacokinetics of droperidol in surgical patients under different conditions of anaesthesia ... 297
K. A. Lehmann, A. Van Peer, M. Ikonomakis, R. Gasparini and J. Heykants

A pharmacokinetic study of midazolam in paediatric patients undergoing cardiac surgery 302
H. M. L. Mathews, I. W. Carson, S. M. Lyons, I. A. Orr, P. S. Collier, P. J. Howard and J. W. Dundee

Transcutaneous electrical nerve stimulation in the management of acute postoperative pain 308
M. I. D. McCallum, C. J. Glynn, R. A. Moore, P. Lammer and A. M. Phillips

Oral nalbuphine for the treatment of pain after dental extractions 313
B. Kay, R. G. Lindsay, C. J. Mason and T. E. J. Healy

Antagonism of morphine-induced respiratory depression with nalmefene 318
K. M. Konieczko, J. G. Jones, M. P. Barrowcliffe, C. Jordan and D. G. Altman

Extradural block with bupivacaine: influence of dose, volume, concentration and patient characteristics. 324
J. Duggan, G. M. R. Bowler, J. H. McClure and J. A. W. Wildsmith

Maternal–fetal distribution of bupivacaine in the rabbit 332
R. J. Carson and F. Reynolds

RAPID COMMUNICATIONS

Anatomical variation in the position of the proximal intercostal nerve 338
P. A. J. Hardy

Prophylactic extradural blood patch is effective. *A Preliminary Communication* 340
T. G. Cheek, R. Banner, J. Sauter and B. B. Gutsche

Propofol reduces seizure duration in patients having anaesthesia for electroconvulsive therapy 343
K. H. Simpson, P. J. Halsall, C. M. E. Carr and K. G. Stewart

Effects of nadolol on arrhythmias during laparoscopy performed under general anaesthesia 345
J. M. A. Burns, D. M. Hart, R. L. Hughes, A. W. Kelman and W. S. Hillis

Effects of isoflurane on intraventricular pressure in neurosurgical patients 347
J. J. Gómez Sainz, J. A. Eléxpuru Camiruaga, F. Fernández Cano and J. L. de la Herrán

CASE REPORTS

Anaesthetic management of Caesarean section for a mother with pre-eclampsia, the Klippel-Feil Syndrome and congenital hydrocephalus 350
A. M. Burns, P. Dorje, E. G. Lawes and M. S. Neilsen

Adenotonsillar hypertrophy and cor pulmonale 355
D. W. Yates

COMMENTARY

Recent advances in therapy for hypertension 360
A. M. Heagerty

CORRESPONDENCE

Unilateral extradural blockade in obstetrics 365
Prick tests to diagnose anaphylaxis 365
Cardiac arrest following i.v. verapamil may be related to concomitant digoxin therapy as well as halothane 366
Deadspace after corrective cardiac surgery 366
Heat and moisture exchangers 367
Postoperative paravertebral blocks for thoracic surgery 369
Postoperative intercostal block 370
Use of naloxone in opioid-induced anaphylactoid reaction 371

OCTOBER

EDITORIAL: Rapid inhalation induction of anaesthesia 373
G. B. Drummond

ORIGINAL ARTICLES

Fetal blood flow during intrathecal anaesthesia for elective Caesarean section 376
A. Lindblad, J. Bernow and K. Maršál

Comparison of plasma bupivacaine concentrations during continuous extradural infusion for labour 382
R. J. Flynn, T. J. McMurray, R. Dwyer and J. Moore

Spinal anaesthesia with 0.5% bupivacaine 3 ml: comparison of plain and hyperbaric solutions administered to seated patients 385
R. P. Alston

Comparison of chloral hydrate and midazolam by mouth as premedicants in children undergoing otolaryngological surgery 390
L. Saarnivaara, L. Lindgren and U.-M. Klemola

Predicted and measured oxygen concentrations in the circle system using low fresh gas flows with oxygen supplied by an oxygen concentrator 397
C. J. R. Parker and S. L. Snowdon

Influence of neostigmine on postoperative vomiting 403
M. J. King, R. Milazkiewicz, F. Carli and A. R. Deacock

Influence of acute isocapnic hypoxia on bronchial calibre and "expiratory reserve" volume in dogs. 407
G. C. G. Watney, L. W. Hall and C. Jordan

Absence of an additional fibrotic response caused by oxygen in the lungs of rats after the intratracheal administration of bleomycin 413
T. S. Veninga, R. Vriesendorp, M. C. Blom-Muilwijk, D. T. Sleyfer and A. W. T. Konings

Differing interactions between hexamethonium and tubocurarine, pancuronium or alcuronium at the neuromuscular junction 419
B. J. Pollard and A. F. L. van der Spek

Pulmonary kinetics of fentanyl and alfentanil in surgical patients 425
K. Taeger, E. Weninger, F. Schmelzer, M. Adt, N. Franke and K. Peter

Alfentanil plasma concentration *v.* effect relationships in cardiac surgical patients 435
C. C. Hug jr, R. I. Hall, K. C. Angert, D. A. Reeder and C. C. Moldenhauer

Selective depression by alfentanil of group III and IV somatosympathetic reflexes in the dog 441
G. O. Swenzen, M. K. Chakrabarti, S. Sapsed-Byrne and J. G. Whitwam

Mood and cognitive functions in anaesthetists working in actively scavenged operating theatres . 446
B. T. Stollery, D. E. Broadbent, W. R. Lee, R. I. Keen, T. E. J. Healy and P. Beatty

Effects of methohexitone, Althesin, ketamine and droperidol on peripheral vagal transmission 456
K. Inoue and L. A. König

Anticonvulsive properties of pregnanolone emulsion compared with Althesin and thiopentone in mice. 462
S. Høgskilde, J. Wagner, P. Carl, N. Anker, H. R. Angelo and M. Bredgaard Sørensen

REVIEW ARTICLE

Isolated lung transplantation: a review of problems and guide to anaesthesia 468
I. D. Conacher

RAPID COMMUNICATIONS

The lower oesophageal sphincter in the first trimester of pregnancy: comparison of supine with lithotomy positions 475
M. J. Jones, R. W. D. Mitchell, N. Hindocha and R. H. James

Comparison of the adductor pollicis and the first dorsal interosseous muscles during atracurium and vecuronium blockade: an electromyographic study 477
N. J. N. Harper

Infusion of vecuronium assessed by tactile evaluation of evoked thumb twitch 479
V. Y. Haraldsted, J. W. Nielsen, F. Joensen, B. Dilling-Hansen and L. Hasselstrøm

CASE REPORT

Severe bradycardia following propofol–suxamethonium sequence 482
A. Baraka

APPARATUS

An automated interferometer for the analysis of anaesthetic gas mixtures 484
B. R. Sugg, E. Palayiwa, W. L. Davies, R. Jackson, T. McGraghan, P. Shadbolt, S. J. Weller and C. E. W. Hahn

A computer controlled non-invasive haemodynamic monitoring system 492
I. M. McMenemin and G. N. C. Kenny

ABSTRACTS

Proceedings of the Anaesthetic Research Society, Bristol Meeting, June 24, 1988 ..... 497P

CORRESPONDENCE

Atracurium or vecuronium for MHS patients? 513
The coagulation and fibrinolytic response to surgery 513
Effect of etomidate and metronidazole on platelet aggregation 514
Avoiding accidental dural puncture 515
A speaking adaptor for a tracheostomy tube 516
Vascular absorption of irrigation solution in percutaneous nephro–ureterolithotomy 516
Isoflurane: an appropriate alternative to analgesic nitrous oxide? 517
Anaesthetic contribution to maternal mortality 518

BOOK REVIEWS

Primary Surgery, Volume 2: Trauma 519
Clinics in Anaesthesiology, Volume 4: Anaesthesia and the Geriatric Patient 519
A History of the Nuffield Department of Anaesthetics, Oxford 1937–1987 519
Lecture Notes on Anaesthetics 520
Anaesthesia and Intensive Care for the Neurosurgical Patient 520
Anesthesia for Obstetrics 521

NOVEMBER

EDITORIALS: I. Thirty years on: Anniversary of the Founding of the Anaesthetic Research Society 523
J. P. Payne

II. Drug metabolites in anaesthetic practice—are they important? 525
J. W. Sear

III. Do we need more muscle relaxants? 528
R. P. F. Scott and J. Norman

ORIGINAL ARTICLES

Disposition of infusions of atracurium and its metabolite, laudanosine, in patients in renal and respiratory failure in an ITU 531
C. J. R. Parker, J. E. Jones and J. M. Hunter

Clinical pharmacology of mivacurium chloride (BW B1090U) infusion: comparison with vecuronium and atracurium 541
H. H. Ali, J. J. Saverese, P. B. Embree, S. J. Basta, R. G. Stout, L. H. Bottros and J. N. Weakly

Use of the post-tetanic count to monitor recovery from intense neuromuscular blockade in children. 547
C. L. Gwinnutt and G. Meakin

Post-tetanic count and intense neuromuscular blockade with vecuronium in children 551
S. A. Ridley and N. Braude

Comparison of atracurium and vecuronium during anaesthesia for laparoscopy 557
D. M. Bailey and A. D. G. Nicholas

Antagonism of blockade produced by atracurium or vecuronium with low doses of neostigmine..... 560
J. E. Jones, C. J. R. Parker and J. M. Hunter

Detection of malignant hyperthermia susceptibility using a spin label technique on red blood cells... 565
S. T. Ohnishi, H. Katagi, T. Ohnishi and A. K. W. Brownell

Relative bioavailability of controlled release morphine tablets (MST Continus) in cancer patients..... 569
P. Poulain, P. J. Hoskin, G. W. Hanks, O. A-Omar, V. A. Walker, A. Johnston, P. Turner and G. W. Aherne

High- and low-dose fentanyl anaesthesia: hormonal and metabolic responses during cholecystectomy. 575
K. Giesecke, B. Hamberger, P.-O. Järnberg, C. Klingstedt and B. Persson

Prolonged sedation with propofol in ICU patients: recovery and blood concentration changes during periodic interruptions in infusion..... 583
J. P. Beller, T. Pottecher, A. Lugnier, P. Mangin and J. C. Otteni

Concentration–response analysis of percutaneous local anaesthetic formulations..... 589
A. D. Woolfson, D. F. McCafferty, K. H. McClelland and V. Boston

Oxygen supplementation during electroconvulsive therapy 593
J. Räsänen, D. J. Martin, J. B. Downs and M. R. Hodges

Changes in pupil diameter after oral administration of codeine..... 598
J. E. Peacock, P. D. Henderson and W. S. Nimmo

A method for measuring tidal volume during high frequency jet ventilation..... 601
J. D. Young and M. K. Sykes

Effects of nitrous oxide on auditory cortical evoked potentials and subjective thresholds..... 606
H. G. Houston, R. J. McClelland and P. B. C. Fenwick

Benzodiazepine premedication in minor day-case surgery: comparison of oral midazolam and temazepam with placebo..... 611
J. Hargreaves

Regional skin temperatures associated with total sympathetic blockade in conscious dogs..... 617
J. Peters, E. Breuksch, L. Kousoulis, M. Krossa and J. O. Arndt

RAPID COMMUNICATION

Early postoperative hypoxia during transport..... 625
D. C. Smith and J. F. Crul

APPARATUS

How the rise of time of carbon dioxide analysers influences the accuracy of carbon dioxide measurements 628
J. X. Brunner and D. R. Westenskow

COMMENTARY

The first meeting of the Anaesthetic Research Society..... 639
J. F. Nunn

CORRESPONDENCE

Myoneural blockers and suxamethonium..... 642
A complication of intercostal insertion of a chest drain..... 642

BOOK REVIEWS

Complications in Critical Care Medicine 644
EEG Atlas for Anesthesiologists..... 644
Applied Respiratory Physiology..... 645
Parenteral Nutrition—Clinical Nutrition..... 645
Gynecologic Surgery under Local Anesthesia..... 646
Respiratory Emergencies..... 646
Cardiopulmonary Cerebral Resuscitation..... 647

DECEMBER

EDITORIAL: Local analgesic techniques for upper abdominal surgery—endocrine and metabolic effects 649
G. M. Hall and S. Lacoumenta

ORIGINAL ARTICLES

Paravertebral block during cholecystectomy: effects on circulatory and hormonal responses..... 652
K. Giesecke, B. Hamberger, P.-O. Järnberg and C. Klingstedt

Resin injection of thoracic paravertebral spaces..... 657
I. D. Conacher

Sufentanil and nitrous oxide anaesthesia for cardiac surgery 662
J. P. W. Windsor, K. Sherry, R. O. Feneck and P. S. Sebel

Sedation following cardiac surgery: evaluation of alfentanil and morphine in the presence of a computerized closed loop arterial pressure controller..... 669
I. M. McMenemin, J. A. Church and G. N. C. Kenny

Risk of myocardial ischaemia during anaesthesia in treated and untreated hypertensive patients 675
J. G. Stone, P. Foëx, J. W. Sear, L. L. Johnson, H. J. Khambatta and L. Triner

Adverse reactions to atracurium and alcuronium. *A Prospective Surveillance Study* 680
G. H. Beemer, W. L. Dennis, P. R. Platt, A. R. Bjorksten and A. B. Carr

Self-tuning, microprocessor-based closed-loop control of atracurium-induced neuromuscular blockade 685
P. C. Uys, D. F. Morrell, H. S. Bradlow and L. B. Rametti

Pipecuronium and pancuronium: comparison of pharmacokinetics and duration of action 693
J. E. Caldwell, K. P. Castagnoli, P. C. Canfell, M. R. Fahey, D. P. Lynam, D. M. Fisher and R. D. Miller

Sedation for endoscopy: midazolam or diazepam and pethidine? 698
D. A. R. Boldy, L. R. Lever, P. R. Unwin, P. A. Spencer and A. M. Hoare

Premedication with piroxicam in patients having dental surgery under general anaesthesia with halothane or isoflurane 702
M. Parsloe, S. N. Chater, M. Bembridge and K. H. Simpson

Comparison of propofol and thiamylal for induction and maintenance of anaesthesia for outpatient surgery 706
I. H. Sampson, H. Plosker, M. Cohen and J. A. Kaplan

Gastrointestinal motility and gastric pH and emptying following ingestion of diazepam 712
B. A. Schurizek, K. Kraglund, F. Andreasen, L. V. Jensen and B. Juhl

Use of i.m. ranitidine for the prophylaxis of aspiration pneumonitis in obstetrics 720
R. D. Colman, M. Frank, B. A. Loughnan, D. G. Cohen and R. Cattermole

Increased ventilation requirements during obstetric general anaesthesia 730
A. J. Rampton, S. Mallaiah and C. P. O. Garrett

A time and motion study of the anaesthetist's intraoperative time 738
J. S. McDonald and R. R. Dzwonczyk

Carbon dioxide production in cyanotic children during anaesthesia with controlled ventilation 743
R. Fletcher

Cardiac conduction interactions of propranolol and verapamil with halothane in pentobarbitone-anaesthetized dogs 748
A. P. Hart, R. L. Royster and W. E. Johnston

Developmental neurophysiology of mammalian peripheral nerves and age related differential sensitivity to local anaesthetic 754
H. T. Benzon, G. R. Strichartz, A. J. Gissen, C. A. Shanks, B. G. Covino and S. Datta

REVIEW ARTICLE

Parkinsonism and the anaesthetist 761
A. Severn

RAPID COMMUNICATIONS

Pulse oximetry during extradural analgesia for extracorporeal shock wave lithotripsy 771
M. Vegfors, M. Gustafson, F. Sjöberg and C. Lennmarken

Ilioinguinal nerve blockade for analgesia after Caesarean section 773
P. Bunting and I. McConachie

APPARATUS

Variations in the gliding characteristics of 10-ml plastic syringes used to locate the extradural space by "loss of resistance" techniques 776
S. R. W. Bricker and P. Coleman

COMMENTARY

Guest Reviewers for 1988 782

CORRESPONDENCE

Halothane: plus ça change, plus c'est la même chose 783

BOOK REVIEWS

Regional Anaesthesia 784
A Tribute to Professor Sir Robert Macintosh for his 90th Birthday 784
Foundations of Obstetric Anaesthesia 1987 784
Preanesthetic Assessment 785
Muscle Relaxants in Clinical Anaesthesia 785

Index to Volume 61 786